25-1837 (REV. 9-68)

HAZARDOUS MATERIALS DATA SHEET
(PLEASE COMPLETE APPLICABLE SECTIO

DPM # 3487
FEB 01 1982

1. PRODUCT NAME, NUMBER, SYNONYM: 2475 (Paint Stripper)
2. MANUFACTURER'S NAME: Pennwalt Corporation
3. MANUFACTURER'S ADDRESS: Three Parkway, Philadelphia, Pa. 19101
4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Flush with water.
5. TRANSPORTATION AND STORAGE REQUIREMENTS: Store out of sun.
6. FIRST AID TREATMENT:
   A. SKIN CONTACT: Flush with water; wash with soap and water.
   B. EYE CONTACT: Flush with water for 15 minutes and consult a physician.
   C. INHALATION: obtain fresh air or oxygen
   D. ANTIDOTE IN CASE OF SWALLOWING: Consult a physician.
7. PHYSIOLOGICAL PROPERTIES:
   A. ACUTE ORAL TOXICITY: High: as defined by N. Irving Sax, Dangerous Properties of Industrial Materials
   B. LOCAL EFFECTS UPON EYES: Corrosive and defatting
   C. LOCAL EFFECTS UPON SKIN: Corrosive and defatting
   D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): High: as defined by N. Irving Sax, Dangerous Properties of Industrial Materials
   E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): Odor of phenol and formic acid.
   F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): Not determined but probably that of phenol and formic acid - 5 ppm.
8. CHEMICAL AND PHYSICAL PROPERTIES:
   A. SPECIFIC GRAVITY (WATER = 1) 1.234 B. VAPOR DENSITY (AIR =1) over 2.0
   C. VAPOR PRESSURE mm H_g AT 25° C. ---------- 380-400 mm D. pH Less than 1
   E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS:
   Safe on aluminum and steel.
   Not safe on magnesium, plexiglas, paints or fabrics

F. DOES THE MATERIAL DECOMP... WHEN EXPOSED TO AIR? WATER? HEAT? ST...G OXIDIZERS? Do not expose to strong oxidizers.

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT
Methylene chloride	more than 50%
Phenol	15-20%
Formic Acid	5-10
Wetting agents (anionic)	Less than 5
Wax	Trace

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? No

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Use with adequate ventilation.

10. RECOMMENDED PROTECTIVE EQUIPMENT: Face shield and goggles, rubber gloves, and aprons.

11. A. FLASHPOINT °F: CLOSED CUP None ; OPEN CUP None ; IF F.P. CHANGES DURING EVAPORATION GIVE DATA:

B. EXPLOSIVE LIMITS (% VOL. AIR): Based on Formic acid LOWER more than 18% UPPER more than 57%

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES ; NO xxx

D. FIRE POINT °F Over 125 F (o.c.) AUTO IGNITION TEMPERATURE °F over 800 F

E. VAPOR DENSITY over 2.0

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? phosgene from methylene chloride.

G. SUITABLE EXTINGUISHING AGENTS: Standard agents

12. INFORMATION FURNISHED BY: Leo Corcoran

TITLE: Project Leader

COMPANY Pennwalt Corporation

ADDRESS: 900 First Avenue, King of Prussia, Pa. 19406

DATE: February 12, 1971

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE TREATED AS CONFIDENTIAL AND USED FOR THE PURPOSE OF PROTECTING THE HEALTH AND SAFETY OF MCDONNELL DOUGLAS CORP. EMPLOYES AND THE SAFEGUARDING OF ITS PROPERTY. IT WILL ALSO BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.

TANK STRIPPER. FEB 01 1982 ✓12

-1837A (4-68)

HAZARDOUS MATERIALS DATA SHEET

(PLEASE COMPLETE APPLICABLE SECTIONS)

3482

1. PRODUCT NAME, NUMBER, SYNONYM: EPOXYSTRIP T-251-C DPM ~~2668~~

2. MANUFACTURER'S NAME: Beck Chemicals, Inc.

3. MANUFACTURER'S ADDRESS: 3350 West 137th Street, Cleveland, Ohio 44111

4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Neutralize spillage with alkaline water system before flushing away

5. TRANSPORTATION AND STORAGE REQUIREMENTS: Keep cool, out of direct sunlight and make shipments under white caustic label

6 FIRST AID TREATMENT:

A. SKIN CONTACT: Wash with water for a minimum of 15 minutes. Treat injured area with wet dressing of saturated Sodium Thiosulfate. Don't use salves or ointments.

B. EYE CONTACT: Wash with water followed by suitable lime water wash--get medical attention

C. INHALATION: Remove party to fresh air and if difficulty is acute, secure medical attention

D. ANTIDOTE IN CASE OF SWALLOWING: Administer without delay 1½ ounces Castor Oil, if available. Give large quantities of liquid (warm salt water) and induce vomiting. Get medical attention. (See attached warning label)

7. PHYSIOLOGICAL PROPERTIES:

A. ACUTE ORAL TOXICITY: T-251-C is very poisonous--never take internally

B. LOCAL EFFECTS UPON EYES: If splashed into eye will produce severe chemical burn. Safety goggles are indicated when using product

C. LOCAL EFFECTS UPON SKIN: produces chemical burns on contact

D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): acid fumes are very sharp and irritating.

25-1837B (4-68)

E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): Odor very sharp and serves as warning for proper ventilation

F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): Approximately 25 PPM

8. CHEMICAL AND PHYSICAL PROPERTIES:

A. SPECIFIC GRAVITY (WATER = 1) 1.279

B. VAPOR DENSITY (AIR = 1) (Some components of system are heavier than air)

C. VAPOR PRESSURE mm Hg AT 25°C.

D. pH 1.8

E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLASS, RUBBER, LACQUERS, ENAMELS, FABRICS: Aluminum during stripping procedures not affected. Magnesium, plastics, fabrics, rubber and protective coatings are damaged or destroyed by stripper

F. DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO AIR? WATER ? HEAT? STRONG OXIDIZERS? If exposed to air, some evaporation takes place and is accelerated by heat. Oxidizers have no affect.

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT
Methylene Chloride	80 - 87%
Phenol Family	8 - 10%
Acetic Acid Family	6 - 8%
Retardants and Surfactants	1 - 3%

NOTE:

GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOLS, KETONES, CHLORINATED HYDROCARBONS, ETC. ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? No

25-1837C (4-68)

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Effective exhaust system in stripping area is required with fresh air being drawn over back of worker across stripping tank to outside exhaust.

10. RECOMMENDED PROTECTIVE EQUIPMENT: Protect eyes and person of workman against possible splashing of stripper onto clothing or skin

11. A. FLASH POINT °F: CLOSED CUP None ; OPEN CUP None ; IF F.P. CHANGES DURING EVAPORATION GIVE DATA:

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER None ; UPPER None

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES ; NO X

D. FIRE POINT °F None ; AUTO IGNITION TEMPERATURE °F None

E. VAPOR DENSITY Some components lighter than air--some heavier than air in stripping system

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? Some HCL vapors are formed

G. SUITABLE EXTINGUISHING AGENTS: Product is not a supporter of combustion

12. INFORMATION FURNISHED BY:

TITLE: Chief Chemist R. E. Nicholson

COMPANY: Beck Chemicals, Inc.

ADDRESS: 3350 West 137th Street, Cleveland, Ohio 44111

DATE: April 15, 1970

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